



## AGENDA MEMORANDUM

Action Item for the City Council Meeting of April 11, 2023

**DATE:** April 11, 2023

**TO:** Peter Zanoni, City Manager

**FROM:** Wesley Nebgen, Director Water System Infrastructure  
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### Supply Agreement for Sodium Bisulfite

#### **CAPTION:**

Motion authorizing a one-year supply agreement with one additional one-year option with Southern Ionics, Incorporated, of West Point, Mississippi, in an amount not to exceed \$1,679,000.00, and potential amount not to exceed \$3,524,950.00 if the option period is exercised, for Sodium Bisulfite for Corpus Christi Water, with FY 2023 funding of \$1,259,250.00 from the Wastewater Fund.

#### **SUMMARY**

This motion authorizes a one-year supply agreement for sodium bisulfite for four of Corpus Christi Water's Wastewater Treatment Plants (WWTPs): Oso WWTP, Allison WWTP, Laguna Madre WWTP, and Broadway WWTP. Oso WWTP will be the primary user. Sodium Bisulfite is necessary for the de-chlorination of wastewater effluent as required by Texas Commission on Environmental Quality (TCEQ) environmental permits.

#### **BACKGROUND AND FINDINGS:**

The City's Oso, Allison, and Laguna Madre Wastewater Treatment Plants (WWTPs) use chlorine to disinfect wastewater. Additionally, the Broadway WWTP also uses a small amount of chlorine to prevent algae growth in the sand filters. Before treated effluent water is discharged into state waters, sodium bisulfite is used to remove excessive chlorine residual for these four WWTPs in compliance with the Texas Pollutant Discharge Elimination System (TPDES) permit requirements by TCEQ.

**PROCUREMENT DETAIL:**

Finance & Procurement conducted a competitive Request for Bid process to obtain bids for a new contract. The City received one bid and is recommending award to the lowest responsive, responsible bidder and incumbent, Southern Ionics, Incorporated.

The unit price under this contract is \$2.10 per gallon for wet chemical solution for the first year, and \$2.31 for a one-year optional renewal. The unit price for the contract of last year varied from \$1.60 to \$2.10 per pound for wet chemical solution.

**ALTERNATIVES:**

This chemical is necessary for public health and safety, and to meet TCEQ permit requirements.

**FISCAL IMPACT:**

The fiscal impact for Corpus Christi Water in FY 2023 is \$1,259,250.00.

**FUNDING DETAIL:**

Fund:	4200	Wastewater
Organization/Activity:	33100	Broadway Wastewater Plant
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	520010	Purification Chemicals

Fund:	4200	Wastewater
Organization/Activity:	33110	Oso Wastewater Plant
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	520010	Purification Chemicals

Fund:	4200	Wastewater
Organization/Activity:	33130	Allison Wastewater Plant
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	520010	Purification Chemicals

Fund:	4200	Wastewater
Organization/Activity:	33140	Laguna Madre Wastewater Plant
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	520010	Purification Chemicals

**RECOMMENDATION:**

Staff recommends approval of this supply agreement with Southern Ionics, Incorporated for the purchase of Sodium Bisulfite for Corpus Christi Water as presented.

**LIST OF SUPPORTING DOCUMENTS:**

Bid Tabulation  
Supply Agreement